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=> file medline

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

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FILE 'MEDLINE' ENTERED AT 09:30:24 ON 12 OCT 2005

FILE LAST UPDATED: 11 OCT 2005 (20051011/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow prompt (=>). See also:

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=> s mip or rantes

5227 MIP

3423 RANTES

L1 7514 MIP OR RANTES

=> s l1(p)hiv

152001 HIV

L2 693 L1(P)HIV

=> d 600-693 ti so

L2 ANSWER 600 OF 693 MEDLINE on STN

TI Genetic subtype-independent inhibition of human immunodeficiency virus type 1 replication by CC and CXC chemokines.

SO Journal of virology, (1998 Jan) 72 (1) 396-404.

Journal code: 0113724. ISSN: 0022-538X.

L2 ANSWER 601 OF 693 MEDLINE on STN

TI Transgenic mice expressing human immunodeficiency virus type 1 in immune cells develop a severe AIDS-like disease.

SO Journal of virology, (1998 Jan) 72 (1) 121-32.

Journal code: 0113724. ISSN: 0022-538X.

L2 ANSWER 602 OF 693 MEDLINE on STN

TI Increased plasma levels of the C-C chemokine **RANTES** in patients with primary **HIV**-1 infection.

SO Journal of biological regulators and homeostatic agents, (1997 Jan-Jun) 11 (1-2) 40-2.

Journal code: 8809253. ISSN: 0393-974X.

L2 ANSWER 603 OF 693 MEDLINE on STN

TI Interleukin-6 induces monocyte chemotactic protein-1 in peripheral blood mononuclear cells and in the U937 cell line.

SO Blood, (1998 Jan 1) 91 (1) 258-65.

Journal code: 7603509. ISSN: 0006-4971.

L2 ANSWER 604 OF 693 MEDLINE on STN

TI Plasma levels of monocyte chemoattractant protein-1 but not those of macrophage inhibitory protein-1alpha and **RANTES** correlate with virus load in human immunodeficiency virus infection.

SO Journal of infectious diseases, (1997 Dec) 176 (6) 1621-4.

Journal code: 0413675. ISSN: 0022-1899.

L2 ANSWER 605 OF 693 MEDLINE on STN

TI Effects of subcutaneous interleukin-2 therapy on CD4 subsets and in vitro cytokine production in HIV+ subjects.

SO Journal of clinical investigation, (1997 Dec 1) 100 (11) 2737-43.

Journal code: 7802877. ISSN: 0021-9738.

L2 ANSWER 606 OF 693 MEDLINE on STN

TI Regulation of the receptor specificity and function of the chemokine **RANTES** (regulated on activation, normal T cell expressed and secreted) by dipeptidyl peptidase IV (CD26)-mediated cleavage.

SO Journal of experimental medicine, (1997 Dec 1) 186 (11) 1865-72.

Journal code: 2985109R. ISSN: 0022-1007.

L2 ANSWER 607 OF 693 MEDLINE on STN

TI Regulation of anti-**HIV**-1 activity of **RANTES** by heparan sulfate proteoglycans.

SO Journal of immunology (Baltimore, Md. : 1950), (1997 Nov 1) 159 (9)

4587-92.

- L2 ANSWER 608 OF 693 MEDLINE on STN  
TI Chemokine-independent in vitro resistance to human immunodeficiency virus (HIV-1) correlating with low viremia in long-term and recently infected HIV-1-positive persons.  
SO Journal of infectious diseases, (1997 Nov) 176 (5) 1168-74.  
Journal code: 0413675. ISSN: 0022-1899.
- L2 ANSWER 609 OF 693 MEDLINE on STN  
TI In vivo evolution of HIV-1 co-receptor usage and sensitivity to chemokine-mediated suppression.  
SO Nature medicine, (1997 Nov) 3 (11) 1259-65.  
Journal code: 9502015. ISSN: 1078-8956.
- L2 ANSWER 610 OF 693 MEDLINE on STN  
TI C-C chemokine **RANTES** and HIV long terminal repeat-driven gene expression.  
SO AIDS research and human retroviruses, (1997 Nov 1) 13 (16) 1367-71.  
Journal code: 8709376. ISSN: 0889-2229.
- L2 ANSWER 611 OF 693 MEDLINE on STN  
TI Polymorphisms in the CCR5 genes of African green monkeys and mice implicate specific amino acids in infections by simian and human immunodeficiency viruses.  
SO Journal of virology, (1997 Nov) 71 (11) 8642-56.  
Journal code: 0113724. ISSN: 0022-538X.
- L2 ANSWER 612 OF 693 MEDLINE on STN  
TI Inhibition of T-tropic HIV strains by selective antagonization of the chemokine receptor CXCR4.  
SO Journal of experimental medicine, (1997 Oct 20) 186 (8) 1383-8.  
Journal code: 2985109R. ISSN: 0022-1007.
- L2 ANSWER 613 OF 693 MEDLINE on STN  
TI Interaction of chemokine receptor CCR5 with its ligands: multiple domains for HIV-1 gp120 binding and a single domain for chemokine binding.  
SO Journal of experimental medicine, (1997 Oct 20) 186 (8) 1373-81.  
Journal code: 2985109R. ISSN: 0022-1007.
- L2 ANSWER 614 OF 693 MEDLINE on STN  
TI Productive infection of dendritic cells by HIV-1 and their ability to capture virus are mediated through separate pathways.  
SO Journal of clinical investigation, (1997 Oct 15) 100 (8) 2043-53.  
Journal code: 7802877. ISSN: 0021-9738.
- L2 ANSWER 615 OF 693 MEDLINE on STN  
TI Targeted disruption of the beta-chemokine receptor CCR1 protects against pancreatitis-associated lung injury.  
SO Journal of clinical investigation, (1997 Oct 15) 100 (8) 2022-7.  
Journal code: 7802877. ISSN: 0021-9738.
- L2 ANSWER 616 OF 693 MEDLINE on STN  
TI Lack of associations of chemotactic cytokines with viral burden, disease progression, or lymphocyte subsets in HIV-infected individuals.  
SO Clinical immunology and immunopathology, (1997 Oct) 85 (1) 21-7.  
Journal code: 0356637. ISSN: 0090-1229.
- L2 ANSWER 617 OF 693 MEDLINE on STN  
TI Angiogenic and HIV-inhibitory functions of KSHV-encoded chemokines.  
SO Science, (1997 Oct 10) 278 (5336) 290-4.  
Journal code: 0404511. ISSN: 0036-8075.
- L2 ANSWER 618 OF 693 MEDLINE on STN  
TI RANTES and MCP-3 inhibit the replication of T-cell-tropic human immunodeficiency virus type 1 strains (SF-2, MN, and HE).  
SO Journal of virology, (1997 Oct) 71 (10) 7300-4.  
Journal code: 0113724. ISSN: 0022-538X.

L2 ANSWER 619 OF 693 MEDLINE on STN  
 TI [Encephalopathy in AIDS--increased formation of beta-chemokines in monocytes after HIV-1 virus infection: mechanisms of CNS involvement]. Encefalopatia pri AIDS--zvysena tvorba chemokinov-beta monocytmi po infekcii virusom HIV typu 1: prispevok k mechanizmom postihnutia CNS.  
 SO Bratislavske lekarske listy, (1997 Jun) 98 (6) 330-4.  
 Journal code: 0065324. ISSN: 0006-9248.

L2 ANSWER 620 OF 693 MEDLINE on STN  
 TI Isolation and characterization of Exodus-2, a novel C-C chemokine with a unique 37-amino acid carboxyl-terminal extension.  
 SO Journal of immunology (Baltimore, Md. : 1950), (1997 Sep 15) 159 (6) 2554-8.  
 Journal code: 2985117R. ISSN: 0022-1767.

L2 ANSWER 621 OF 693 MEDLINE on STN  
 TI Anti-MIP-1alpha and anti-RANTES antibodies: new allies of HIV-1?  
 SO Clinical immunology and immunopathology, (1997 Sep) 84 (3) 338-41.  
 Journal code: 0356637. ISSN: 0090-1229.

L2 ANSWER 622 OF 693 MEDLINE on STN  
 TI The CXC chemokine stromal cell-derived factor 1 is not responsible for CD8+ T cell suppression of syncytia-inducing strains of HIV-1.  
 SO Proceedings of the National Academy of Sciences of the United States of America, (1997 Sep 2) 94 (18) 9842-7.  
 Journal code: 7505876. ISSN: 0027-8424.

L2 ANSWER 623 OF 693 MEDLINE on STN  
 TI Immune and hematopoietic parameters in HIV-1-infected chimpanzees during clinical progression toward AIDS.  
 SO Journal of medical primatology, (1997 Feb-Apr) 26 (1-2) 11-8.  
 Journal code: 0320626. ISSN: 0047-2565.

L2 ANSWER 624 OF 693 MEDLINE on STN  
 TI gp 120s derived from four syncytium-inducing HIV-1 strains induce different patterns of CD4 association with lymphocyte surface molecules.  
 SO International immunology, (1997 Aug) 9 (8) 1141-7.  
 Journal code: 8916182. ISSN: 0953-8178.

L2 ANSWER 625 OF 693 MEDLINE on STN  
 TI Antibodies to several conformation-dependent epitopes of gp120/gp41 inhibit CCR-5-dependent cell-to-cell fusion mediated by the native envelope glycoprotein of a primary macrophage-tropic HIV-1 isolate.  
 SO Proceedings of the National Academy of Sciences of the United States of America, (1997 Aug 19) 94 (17) 9326-31.  
 Journal code: 7505876. ISSN: 0027-8424.

L2 ANSWER 626 OF 693 MEDLINE on STN  
 TI Receptor expression and responsiveness of human dendritic cells to a defined set of CC and CXC chemokines.  
 SO Journal of immunology (Baltimore, Md. : 1950), (1997 Aug 15) 159 (4) 1993-2000.  
 Journal code: 2985117R. ISSN: 0022-1767.

L2 ANSWER 627 OF 693 MEDLINE on STN  
 TI CC chemokine receptor 5-mediated signaling and HIV-1 Co-receptor activity share common structural determinants. Critical residues in the third extracellular loop support HIV-1 fusion.  
 SO Journal of biological chemistry, (1997 Aug 8) 272 (32) 19771-6.  
 Journal code: 2985121R. ISSN: 0021-9258.

L2 ANSWER 628 OF 693 MEDLINE on STN  
 TI Homeostasis of chemokines, interferon production and lymphocyte subsets: implications for AIDS pathogenesis.  
 SO Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, (1997) 51 (5) 221-9.  
 Journal code: 8213295. ISSN: 0753-3322.

L2 ANSWER 629 OF 693 MEDLINE on STN  
 TI [Characteristics of rapid progressors in HIV infection].  
 Caractéristiques des progresseurs rapides au cours de l'infection par le VIH.  
 SO Annales de medecine interne, (1997) 148 (2) 163-6. Ref: 33  
 Journal code: 0171744. ISSN: 0003-410X.

L2 ANSWER 630 OF 693 MEDLINE on STN  
 TI Suppression of HIV-1 transcription by beta-chemokines  
 RANTES, MIP1-alpha, and MIP-1beta is not mediated by the  
 NFAT-1 enhancer element.  
 SO FEBS letters, (1997 Jun 30) 410 (2-3) 301-2.  
 Journal code: 0155157. ISSN: 0014-5793.

L2 ANSWER 631 OF 693 MEDLINE on STN  
 TI MCP-1 and CCR2 in HIV infection: regulation of agonist and receptor  
 expression.  
 SO Journal of leukocyte biology, (1997 Jul) 62 (1) 30-3. Ref: 23  
 Journal code: 8405628. ISSN: 0741-5400.

L2 ANSWER 632 OF 693 MEDLINE on STN  
 TI Differential expression of binding sites for chemokine RANTES on human T  
 lymphocytes.  
 SO European journal of immunology, (1997 Jun) 27 (6) 1406-12.  
 Journal code: 1273201. ISSN: 0014-2980.

L2 ANSWER 633 OF 693 MEDLINE on STN  
 TI HIV coreceptor downregulation as antiviral principle: SDF-1alpha-dependent  
 internalization of the chemokine receptor CXCR4 contributes to inhibition  
 of HIV replication.  
 SO Journal of experimental medicine, (1997 Jul 7) 186 (1) 139-46.  
 Journal code: 2985109R. ISSN: 0022-1007.

L2 ANSWER 634 OF 693 MEDLINE on STN  
 TI Modulation of macrophage inflammatory protein-1alpha and its receptors in  
 human B-cell lines derived from patients with acquired immunodeficiency  
 syndrome and Burkitt's lymphoma.  
 SO Biochemical and biophysical research communications, (1997 Jun 27) 235 (3)  
 576-81.  
 Journal code: 0372516. ISSN: 0006-291X.

L2 ANSWER 635 OF 693 MEDLINE on STN  
 TI RANTES inhibits HIV-1 replication in human peripheral  
 blood monocytes and alveolar macrophages.  
 SO American journal of physiology, (1997 May) 272 (5 Pt 1) L1025-9.  
 Journal code: 0370511. ISSN: 0002-9513.

L2 ANSWER 636 OF 693 MEDLINE on STN  
 TI Intrinsic resistance to T cell infection with HIV type 1 induced by CD28  
 costimulation.  
 SO Journal of immunology (Baltimore, Md. : 1950), (1997 Jun 1) 158 (11)  
 5545-53.  
 Journal code: 2985117R. ISSN: 0022-1767.

L2 ANSWER 637 OF 693 MEDLINE on STN  
 TI Functional characterization and modulation of cytokine production by CD8+  
 T cells from human immunodeficiency virus-infected individuals.  
 SO Blood, (1997 May 15) 89 (10) 3672-81.  
 Journal code: 7603509. ISSN: 0006-4971.

L2 ANSWER 638 OF 693 MEDLINE on STN  
 TI Cytokine patterns in adults with AIDS.  
 SO Immunological investigations, (1997 Apr) 26 (3) 341-50.  
 Journal code: 8504629. ISSN: 0882-0139.

L2 ANSWER 639 OF 693 MEDLINE on STN  
 TI Effect of immunization with an inactivated gp120-depleted HIV-1 immunogen  
 on beta-chemokine and cytokine production in subjects with HIV-1  
 infection.

SO Journal of acquired immune deficiency syndromes and human retrovirology : official publication of the International Retrovirology Association, (1997 Apr 1) 14 (4) 343-50.  
Journal code: 9501482. ISSN: 1077-9450.

L2 ANSWER 640 OF 693 MEDLINE on STN  
TI CD8+ T cell-mediated suppression of HIV long terminal repeat-driven gene expression is not associated with improved clinical status.  
SO AIDS (London, England), (1997 Apr) 11 (5) 581-6.  
Journal code: 8710219. ISSN: 0269-9370.

L2 ANSWER 641 OF 693 MEDLINE on STN  
TI CD8+ T-cell-mediated suppression of HIV-1 long terminal repeat-driven gene expression is not modulated by the CC chemokines RANTES, macrophage inflammatory protein (MIP)-1 alpha and MIP-1 beta.  
SO AIDS (London, England), (1997 Apr) 11 (5) 575-80.  
Journal code: 8710219. ISSN: 0269-9370.

L2 ANSWER 642 OF 693 MEDLINE on STN  
TI Potent inhibition of HIV-1 infectivity in macrophages and lymphocytes by a novel CCR5 antagonist.  
SO Science, (1997 Apr 11) 276 (5310) 276-9.  
Journal code: 0404511. ISSN: 0036-8075.

L2 ANSWER 643 OF 693 MEDLINE on STN  
TI Receptor-mediated endocytosis of CC-chemokines.  
SO Journal of biological chemistry, (1997 Apr 11) 272 (15) 9617-20.  
Journal code: 2985121R. ISSN: 0021-9258.

L2 ANSWER 644 OF 693 MEDLINE on STN  
TI Nuclear factor-kappa B potentially up-regulates the promoter activity of RANTES, a chemokine that blocks HIV infection.  
SO Journal of immunology (Baltimore, Md. : 1950), (1997 Apr 1) 158 (7) 3483-91.  
Journal code: 2985117R. ISSN: 0022-1767.

L2 ANSWER 645 OF 693 MEDLINE on STN  
TI Change in circulating levels of the chemokines macrophage inflammatory proteins 1 alpha and 11 beta, RANTES, monocyte chemotactic protein-1 and interleukin-16 following treatment of severely immunodeficient HIV-infected individuals with indinavir.  
SO AIDS (London, England), (1997 Mar 15) 11 (4) 485-91.  
Journal code: 8710219. ISSN: 0269-9370.

L2 ANSWER 646 OF 693 MEDLINE on STN  
TI The human MCP-2 gene (SCYA8): cloning, sequence analysis, tissue expression, and assignment to the CC chemokine gene contig on chromosome 17q11.2.  
SO Genomics, (1997 Mar 1) 40 (2) 323-31.  
Journal code: 8800135. ISSN: 0888-7543.

L2 ANSWER 647 OF 693 MEDLINE on STN  
TI Derivation of herpesvirus saimiri-transformed CD8+ T cell lines with noncytotoxic anti-HIV activity.  
SO Clinical immunology and immunopathology, (1997 Mar) 82 (3) 274-81.  
Journal code: 0356637. ISSN: 0090-1229.

L2 ANSWER 648 OF 693 MEDLINE on STN  
TI Respiratory muscle dysfunction associated with human immunodeficiency virus infection.  
SO American journal of respiratory and critical care medicine, (1997 Mar) 155 (3) 1080-4.  
Journal code: 9421642. ISSN: 1073-449X.

L2 ANSWER 649 OF 693 MEDLINE on STN  
TI C-C chemokines released by lipopolysaccharide (LPS)-stimulated human macrophages suppress HIV-1 infection in both macrophages and T cells.  
SO Journal of experimental medicine, (1997 Mar 3) 185 (5) 805-16.

- L2 ANSWER 650 OF 693 MEDLINE on STN  
TI Suppression of human immunodeficiency virus type 1 replication by CD8+ cells: evidence for HLA class I-restricted triggering of cytolytic and noncytolytic mechanisms.  
SO Journal of virology, (1997 Apr) 71 (4) 3120-8.  
Journal code: 0113724. ISSN: 0022-538X.
- L2 ANSWER 651 OF 693 MEDLINE on STN  
TI Genetically divergent strains of simian immunodeficiency virus use CCR5 as a coreceptor for entry.  
SO Journal of virology, (1997 Apr) 71 (4) 2705-14.  
Journal code: 0113724. ISSN: 0022-538X.
- L2 ANSWER 652 OF 693 MEDLINE on STN  
TI Kaposi's sarcoma-associated human herpesvirus-8 encodes homologues of macrophage inflammatory protein-1 and interleukin-6.  
SO Nature medicine, (1997 Mar) 3 (3) 287-92.  
Journal code: 9502015. ISSN: 1078-8956.
- L2 ANSWER 653 OF 693 MEDLINE on STN  
TI Proinflammatory cytokines inhibit HIV-1(SF162) expression in acutely infected human brain cell cultures.  
SO Journal of immunology (Baltimore, Md. : 1950), (1997 Mar 1) 158 (5) 2449-55.  
Journal code: 2985117R. ISSN: 0022-1767.
- L2 ANSWER 654 OF 693 MEDLINE on STN  
TI HIV and the 7-transmembrane domain receptors.  
SO Pathobiology : journal of immunopathology, molecular and cellular biology, (1996) 64 (4) 171-9. Ref: 108  
Journal code: 9007504. ISSN: 1015-2008.
- L2 ANSWER 655 OF 693 MEDLINE on STN  
TI CD8+ cells in HIV infection produce macrophage inflammatory protein-1 alpha and RANTES: a comparative study in long-term survivors and progressor patients.  
SO Immunology letters, (1996 Nov) 53 (2-3) 105-8.  
Journal code: 7910006. ISSN: 0165-2478.
- L2 ANSWER 656 OF 693 MEDLINE on STN  
TI CCR3 and CCR5 are co-receptors for HIV-1 infection of microglia.  
SO Nature, (1997 Feb 13) 385 (6617) 645-9.  
Journal code: 0410462. ISSN: 0028-0836.
- L2 ANSWER 657 OF 693 MEDLINE on STN  
TI Multifactorial nature of noncytolytic CD8+ T cell-mediated suppression of HIV replication: beta-chemokine-dependent and -independent effects.  
SO AIDS research and human retroviruses, (1997 Jan 1) 13 (1) 63-9.  
Journal code: 8709376. ISSN: 0889-2229.
- L2 ANSWER 658 OF 693 MEDLINE on STN  
TI Sensitivity to inhibition by beta-chemokines correlates with biological phenotypes of primary HIV-1 isolates.  
SO Proceedings of the National Academy of Sciences of the United States of America, (1996 Dec 24) 93 (26) 15382-7.  
Journal code: 7505876. ISSN: 0027-8424.
- L2 ANSWER 659 OF 693 MEDLINE on STN  
TI CD8+ T-cell-derived soluble factor(s), but not beta-chemokines RANTES, MIP-1 alpha, and MIP-1 beta, suppress HIV-1 replication in monocyte/macrophages.  
SO Proceedings of the National Academy of Sciences of the United States of America, (1996 Dec 24) 93 (26) 15341-5.  
Journal code: 7505876. ISSN: 0027-8424.
- L2 ANSWER 660 OF 693 MEDLINE on STN  
TI Hemophilia and nonprogressing human immunodeficiency virus type 1

infection.

SO Blood, (1997 Jan 1) 89 (1) 191-200.  
Journal code: 7603509. ISSN: 0006-4971.

L2 ANSWER 661 OF 693 MEDLINE on STN  
TI Efficient interaction of HIV-1 with purified dendritic cells via multiple chemokine coreceptors.

SO Journal of experimental medicine, (1996 Dec 1) 184 (6) 2433-8.  
Journal code: 2985109R. ISSN: 0022-1007.

L2 ANSWER 662 OF 693 MEDLINE on STN  
TI Cysteine protease activated by expression of HIV-1 protease in transgenic mice. MIP26 (aquaporin-0) cleavage and cataract formation in vivo and ex vivo.

SO Journal of biological chemistry, (1996 Dec 13) 271 (50) 31803-6.  
Journal code: 2985121R. ISSN: 0021-9258.

L2 ANSWER 663 OF 693 MEDLINE on STN  
TI HIV replication in CD4+ T cells of HIV-infected individuals is regulated by a balance between the viral suppressive effects of endogenous beta-chemokines and the viral inductive effects of other endogenous cytokines.

SO Proceedings of the National Academy of Sciences of the United States of America, (1996 Nov 26) 93 (24) 14076-81.  
Journal code: 7505876. ISSN: 0027-8424.

L2 ANSWER 664 OF 693 MEDLINE on STN  
TI Molecular mimicry of human cytokine and cytokine response pathway genes by KSHV.

SO Science, (1996 Dec 6) 274 (5293) 1739-44.  
Journal code: 0404511. ISSN: 0036-8075.

L2 ANSWER 665 OF 693 MEDLINE on STN  
TI Chemokine expression in simian immunodeficiency virus-induced AIDS encephalitis.

SO American journal of pathology, (1996 Nov) 149 (5) 1459-67.  
Journal code: 0370502. ISSN: 0002-9440.

L2 ANSWER 666 OF 693 MEDLINE on STN  
TI CD4-dependent, antibody-sensitive interactions between HIV-1 and its co-receptor CCR-5.

SO Nature, (1996 Nov 14) 384 (6605) 184-7.  
Journal code: 0410462. ISSN: 0028-0836.

L2 ANSWER 667 OF 693 MEDLINE on STN  
TI CD4-induced interaction of primary HIV-1 gp120 glycoproteins with the chemokine receptor CCR-5.

SO Nature, (1996 Nov 14) 384 (6605) 179-83.  
Journal code: 0410462. ISSN: 0028-0836.

L2 ANSWER 668 OF 693 MEDLINE on STN  
TI **RANTES, MIP** and interleukin-16 in HIV infection.

SO AIDS (London, England), (1996 Oct) 10 (12) 1435-6.  
Journal code: 8710219. ISSN: 0269-9370.

L2 ANSWER 669 OF 693 MEDLINE on STN  
TI CD8+ T-cell-mediated suppression of HIV-1 infection may not be due to chemokines **RANTES, MIP-1 alpha** and **MIP-1 beta**.

SO AIDS (London, England), (1996 Oct) 10 (12) 1434-5.  
Journal code: 8710219. ISSN: 0269-9370.

L2 ANSWER 670 OF 693 MEDLINE on STN  
TI Serum levels of **RANTES** and **MIP-1 alpha** in HIV-positive long-term survivors and progressor patients.

SO AIDS (London, England), (1996 Oct) 10 (12) 1431-2.  
Journal code: 8710219. ISSN: 0269-9370.



L2 ANSWER 671 OF 693 MEDLINE on STN  
 TI **RANTES**, MIP-1 alpha and MIP-1 beta are not  
 involved in the inhibition of HIV-1SF33 replication mediated by  
 CD8+ T-cell clones.  
 SO AIDS (London, England), (1996 Oct) 10 (12) 1317-21.  
 Journal code: 8710219. ISSN: 0269-9370.

L2 ANSWER 672 OF 693 MEDLINE on STN  
 TI The V3 domain of the HIV-1 gp120 envelope glycoprotein is critical for  
 chemokine-mediated blockade of infection.  
 SO Nature medicine, (1996 Nov) 2 (11) 1244-7.  
 Journal code: 9502015. ISSN: 1078-8956.

L2 ANSWER 673 OF 693 MEDLINE on STN  
 TI Selective elevation of monocyte chemotactic protein-1 in the cerebrospinal  
 fluid of AIDS patients with cytomegalovirus encephalitis.  
 SO Journal of infectious diseases, (1996 Nov) 174 (5) 1098-101.  
 Journal code: 0413675. ISSN: 0022-1899.

L2 ANSWER 674 OF 693 MEDLINE on STN  
 TI Serum chemokine levels in patients with non-progressing HIV infection.  
 SO AIDS (London, England), (1996 Aug) 10 (9) F29-33.  
 Journal code: 8710219. ISSN: 0269-9370.

L2 ANSWER 675 OF 693 MEDLINE on STN  
 TI Identification of a new member of the MNP transcription factor family in  
 differentiated HL60 cells.  
 SO Biochemical and biophysical research communications, (1996 Sep 13) 226 (2)  
 488-94.  
 Journal code: 0372516. ISSN: 0006-291X.

L2 ANSWER 676 OF 693 MEDLINE on STN  
 TI AIDS dementia is associated with massive, activated HIV-1 infection and  
 concomitant expression of several cytokines.  
 SO Molecular medicine (Cambridge, Mass.), (1996 May) 2 (3) 358-66.  
 Journal code: 9501023. ISSN: 1076-1551.

L2 ANSWER 677 OF 693 MEDLINE on STN  
 TI The CXC chemokine SDF-1 is the ligand for LESTR/fusin and prevents  
 infection by T-cell-line-adapted HIV-1.  
 SO Nature, (1996 Aug 29) 382 (6594) 833-5.  
 Journal code: 0410462. ISSN: 0028-0836.

L2 ANSWER 678 OF 693 MEDLINE on STN  
 TI Identification of a novel regulatory region critical for expression of the  
 RANTES chemokine in activated T lymphocytes.  
 SO Journal of immunology (Baltimore, Md. : 1950), (1996 Aug 1) 157 (3)  
 1139-48.  
 Journal code: 2985117R. ISSN: 0022-1767.

L2 ANSWER 679 OF 693 MEDLINE on STN  
 TI Beta-chemokine inhibition of monocyctotropic HIV-1 infection. Interference  
 with a postbinding fusion step.  
 SO Journal of immunology (Baltimore, Md. : 1950), (1996 Aug 15) 157 (4)  
 1329-32.  
 Journal code: 2985117R. ISSN: 0022-1767.

L2 ANSWER 680 OF 693 MEDLINE on STN  
 TI CC CKR5: a **RANTES**, MIP-1alpha, MIP-1beta  
 receptor as a fusion cofactor for macrophage-tropic HIV-1.  
 SO Science, (1996 Jun 28) 272 (5270) 1955-8.  
 Journal code: 0404511. ISSN: 0036-8075.

L2 ANSWER 681 OF 693 MEDLINE on STN  
 TI HIV-1 tat induces the expression of a new hematopoietic  
 cell-specific transcription factor and downregulates MIP-1 alpha  
 gene expression in activated T-cells.  
 SO Biochemical and biophysical research communications, (1996 Jun 25) 223 (3)  
 526-33.

- L2 ANSWER 682 OF 693 MEDLINE on STN  
TI Protective mucosal immunity elicited by targeted iliac lymph node immunization with a subunit SIV envelope and core vaccine in macaques.  
SO Nature medicine, (1996 Jul) 2 (7) 767-75.  
Journal code: 9502015. ISSN: 1078-8956.
- L2 ANSWER 683 OF 693 MEDLINE on STN  
TI HIV-1 entry into CD4+ cells is mediated by the chemokine receptor CC-CKR-5.  
SO Nature, (1996 Jun 20) 381 (6584) 667-73.  
Journal code: 0410462. ISSN: 0028-0836.
- L2 ANSWER 684 OF 693 MEDLINE on STN  
TI Identification of a major co-receptor for primary isolates of HIV-1.  
SO Nature, (1996 Jun 20) 381 (6584) 661-6.  
Journal code: 0410462. ISSN: 0028-0836.
- L2 ANSWER 685 OF 693 MEDLINE on STN  
TI Stimulation of human immunodeficiency virus type 1 infected cells with superoxide enhances the chemotactic motile response of CD4+ human T cells: implication for virus transmission by cell-to-cell interaction.  
SO Immunopharmacology, (1995 Nov) 31 (1) 73-84.  
Journal code: 7902474. ISSN: 0162-3109.
- L2 ANSWER 686 OF 693 MEDLINE on STN  
TI Chemokines and T lymphocyte recruitment to lymph nodes in HIV infection.  
SO American journal of pathology, (1996 May) 148 (5) 1367-73.  
Journal code: 0370502. ISSN: 0002-9440.
- L2 ANSWER 687 OF 693 MEDLINE on STN  
TI Macrophage inflammatory protein-1alpha is induced by human immunodeficiency virus infection of monocyte-derived macrophages.  
SO Blood, (1996 Mar 1) 87 (5) 2011-9.  
Journal code: 7603509. ISSN: 0006-4971.
- L2 ANSWER 688 OF 693 MEDLINE on STN  
TI Relative resistance to HIV-1 infection of CD4 lymphocytes from persons who remain uninfected despite multiple high-risk sexual exposure.  
SO Nature medicine, (1996 Apr) 2 (4) 412-7.  
Journal code: 9502015. ISSN: 1078-8956.
- L2 ANSWER 689 OF 693 MEDLINE on STN  
TI Human immunodeficiency virus type 1 infection alters chemokine beta peptide expression in human monocytes: implications for recruitment of leukocytes into brain and lymph nodes.  
SO Proceedings of the National Academy of Sciences of the United States of America, (1996 Jan 23) 93 (2) 700-4.  
Journal code: 7505876. ISSN: 0027-8424.
- L2 ANSWER 690 OF 693 MEDLINE on STN  
TI Identification of RANTES, MIP-1 alpha, and MIP-1 beta as the major HIV-suppressive factors produced by CD8+ T cells.  
SO Science, (1995 Dec 15) 270 (5243) 1811-5.  
Journal code: 0404511. ISSN: 0036-8075.
- L2 ANSWER 691 OF 693 MEDLINE on STN  
TI In vitro infection of bone marrow-adherent cells by human immunodeficiency virus type 1 (HIV-1) does not alter their ability to support hematopoiesis.  
SO Virology, (1995 Oct 20) 213 (1) 245-8.  
Journal code: 0110674. ISSN: 0042-6822.
- L2 ANSWER 692 OF 693 MEDLINE on STN  
TI Differential expression of cytokine genes in HIV-1 tat transfected T and B cell lines.  
SO Biochemical and biophysical research communications, (1995 Mar 17) 208 (2)

704-13.

Journal code: 0372516. ISSN: 0006-291X.

- L2 ANSWER 693 OF 693 MEDLINE on STN
- TI Alveolar macrophages from subjects infected with HIV-1 express  
macrophage inflammatory protein-1 alpha (MIP-1 alpha):  
contribution to the CD8+ alveolitis.
- SO Clinical and experimental immunology, (1994 May) 96 (2) 187-92.  
Journal code: 0057202. ISSN: 0009-9104.

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=> file medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 13:49:03 ON 11 OCT 2005

FILE LAST UPDATED: 8 OCT 2005 (20051008/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP  
RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>  
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MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s syncytia

L1 1439 SYNCYTIA

=> l1 (p) ccr5

L1 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

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=> s l1 (p) ccr5

3339 CCR5

L2 42 L1 (P) CCR5

=> d 1-42 ti so

L2 ANSWER 1 OF 42 MEDLINE on STN

TI Plaque-reduction assays for human and simian immunodeficiency virus neutralization.

SO Methods in molecular biology (Clifton, N.J.), (2005) 304 273-85.  
Journal code: 9214969. ISSN: 1064-3745.

L2 ANSWER 2 OF 42 MEDLINE on STN

TI Association of neutralization sensitivity of HIV-1 primary isolates with biological properties of isolates from HIV-1 infected Chinese individuals.

SO Biomedical and environmental sciences : BES, (2005 Apr) 18 (2) 128-36.  
Journal code: 8909524. ISSN: 0895-3988.

L2 ANSWER 3 OF 42 MEDLINE on STN

TI Infection of human and non-human cells by a highly fusogenic primary CD4-independent HIV-1 isolate with a truncated envelope cytoplasmic tail.

SO Virology, (2005 Jun 20) 337 (1) 30-44.  
Journal code: 0110674. ISSN: 0042-6822.

L2 ANSWER 4 OF 42 MEDLINE on STN

TI Biological characteristics of HIV-1 isolates circulating in China are linked to its env V3 loop sequence variability.

SO Zhonghua yi xue za zhi, (2004 Dec 2) 84 (23) 1968-72.  
Journal code: 7511141. ISSN: 0376-2491.

L2 ANSWER 5 OF 42 MEDLINE on STN

TI Construction of an infectious HIV type 1 molecular clone from an African patient with a subtype D/C Recombinant Virus.

SO AIDS research and human retroviruses, (2004 Sep) 20 (9) 1015-8.  
Journal code: 8709376. ISSN: 0889-2229.

L2 ANSWER 6 OF 42 MEDLINE on STN

TI R5 HIV gp120-mediated cellular contacts induce the death of single CCR5-expressing CD4 T cells by a gp41-dependent mechanism.

SO Journal of leukocyte biology, (2004 Oct) 76 (4) 804-11. Electronic  
Publication: 2004-07-16.  
Journal code: 8405628. ISSN: 0741-5400.

L2 ANSWER 7 OF 42 MEDLINE on STN

TI Mitochondrial apoptosis induced by the HIV-1 envelope.

SO Annals of the New York Academy of Sciences, (2003 Dec) 1010 19-28. Ref:  
49  
Journal code: 7506858. ISSN: 0077-8923.

L2 ANSWER 8 OF 42 MEDLINE on STN

TI Role of the ectodomain of the gp41 transmembrane envelope protein of human immunodeficiency virus type 1 in late steps of the membrane fusion

process.

SO Journal of virology, (2004 Jan) 78 (2) 811-20.  
Journal code: 0113724. ISSN: 0022-538X.

L2 ANSWER 9 OF 42 MEDLINE on STN  
TI Establishment of an HIV cell-cell fusion assay by using two genetically modified HeLa cell lines and reporter gene.  
SO Journal of virological methods, (2003 Dec) 114 (2) 159-66.  
Journal code: 8005839. ISSN: 0166-0934.

L2 ANSWER 10 OF 42 MEDLINE on STN  
TI An unusual syncytia-inducing human immunodeficiency virus type 1 primary isolate from the central nervous system that is restricted to CXCR4, replicates efficiently in macrophages, and induces neuronal apoptosis.  
SO Journal of neurovirology, (2003 Aug) 9 (4) 432-41.  
Journal code: 9508123. ISSN: 1355-0284.

L2 ANSWER 11 OF 42 MEDLINE on STN  
TI Phylogenetic and phenotypic analysis of HIV type 1 env gp120 in cases of subtype C mother-to-child transmission.  
SO AIDS research and human retroviruses, (2002 Dec 10) 18 (18) 1415-23.  
Journal code: 8709376. ISSN: 0889-2229.

L2 ANSWER 12 OF 42 MEDLINE on STN  
TI A new cell line-based neutralization assay for primary HIV type 1 isolates.  
SO AIDS research and human retroviruses, (2002 Sep 1) 18 (13) 957-67.  
Journal code: 8709376. ISSN: 0889-2229.

L2 ANSWER 13 OF 42 MEDLINE on STN  
TI Bovine immunodeficiency virus expression in vitro is reduced in the presence of beta-chemokines, MIP-1alpha, MIP-1beta and RANTES.  
SO Veterinary research communications, (2002 Apr) 26 (3) 239-50.  
Journal code: 8100520. ISSN: 0165-7380.

L2 ANSWER 14 OF 42 MEDLINE on STN  
TI Increased CCR5 affinity and reduced CCR5/CD4 dependence of a neurovirulent primary human immunodeficiency virus type 1 isolate.  
SO Journal of virology, (2002 Jun) 76 (12) 6277-92.  
Journal code: 0113724. ISSN: 0022-538X.

L2 ANSWER 15 OF 42 MEDLINE on STN  
TI Methadone induces CCR5 and promotes AIDS virus infection.  
SO FEBS letters, (2002 May 22) 519 (1-3) 173-7.  
Journal code: 0155157. ISSN: 0014-5793.

L2 ANSWER 16 OF 42 MEDLINE on STN  
TI Cellular tropisms and co-receptor usage of HIV-1 isolates from vertically infected children with neurological abnormalities and rapid disease progression.  
SO Journal of medical virology, (2002 May) 67 (1) 1-8.  
Journal code: 7705876. ISSN: 0146-6615.

L2 ANSWER 17 OF 42 MEDLINE on STN  
TI Comparison of two different preparations of HIV immune globulin for efficiency of neutralization of HIV type 1 primary isolates.  
SO AIDS research and human retroviruses, (2002 Jan 1) 18 (1) 49-56.  
Journal code: 8709376. ISSN: 0889-2229.

L2 ANSWER 18 OF 42 MEDLINE on STN  
TI Biological characterization of HIV type 1 envelope V3 regions from mothers and infants associated with perinatal transmission.  
SO AIDS research and human retroviruses, (2001 Dec 10) 17 (18) 1725-35.  
Journal code: 8709376. ISSN: 0889-2229.

L2 ANSWER 19 OF 42 MEDLINE on STN  
TI ~~A~~ A simple screening system for anti-HIV drugs: syncytium formation assay using T-cell line tropic and macrophage tropic HIV env expressing cell lines--establishment and validation.

SO Journal of antibiotics, (2001 Oct) 54 (10) 818-26.  
Journal code: 0151115. ISSN: 0021-8820.

L2 ANSWER 20 OF 42 MEDLINE on STN  
TI Suppression of CCR5- but not CXCR4-tropic HIV-1 in lymphoid tissue by human herpesvirus 6.  
SO Nature medicine, (2001 Nov) 7 (11) 1232-5.  
Journal code: 9502015. ISSN: 1078-8956.

L2 . ANSWER 21 OF 42 MEDLINE on STN  
TI Biological characterization and chemokine receptor usage of HIV type 1 isolates prevalent in Brazil.  
SO AIDS research and human retroviruses, (2001 Sep 1) 17 (13) 1241-7.  
Journal code: 8709376. ISSN: 0889-2229.

L2 ANSWER 22 OF 42 MEDLINE on STN  
TI Functional HIV CXCR4 coreceptor on human epithelial Langerhans cells and infection by HIV strain X4.  
SO Journal of leukocyte biology, (2001 Aug) 70 (2) 313-21.  
Journal code: 8405628. ISSN: 0741-5400.

L2 ANSWER 23 OF 42 MEDLINE on STN  
TI Substance P antagonist (CP-96,345) inhibits HIV-1 replication in human mononuclear phagocytes.  
SO Proceedings of the National Academy of Sciences of the United States of America, (2001 Mar 27) 98 (7) 3970-5.  
Journal code: 7505876. ISSN: 0027-8424.

L2 ANSWER 24 OF 42 MEDLINE on STN  
TI Selective transmission of R5-tropic HIV type 1 from dendritic cells to resting CD4+ T cells.  
SO AIDS research and human retroviruses, (2001 Jan 1) 17 (1) 59-68.  
Journal code: 8709376. ISSN: 0889-2229.

L2 ANSWER 25 OF 42 MEDLINE on STN  
TI Macrophage-tropic HIV induces and exploits dendritic cell chemotaxis.  
SO Journal of experimental medicine, (2000 Aug 21) 192 (4) 587-94.  
Journal code: 2985109R. ISSN: 0022-1007.

L2 ANSWER 26 OF 42 MEDLINE on STN  
TI V3 sequence analysis and biological characterization of HIV-1 isolates from asymptomatic and early symptomatic Tanzanian individuals.  
SO APMIS : acta pathologica, microbiologica, et immunologica Scandinavica, (2000 Sep) 108 (9) 608-16.  
Journal code: 8803400. ISSN: 0903-4641.

L2 ANSWER 27 OF 42 MEDLINE on STN  
TI CXCR4 mediates entry and productive infection of syncytia-inducing (X4) HIV-1 strains in primary macrophages.  
SO Virology, (2000 Apr 10) 269 (2) 294-304.  
Journal code: 0110674. ISSN: 0042-6822.

L2 ANSWER 28 OF 42 MEDLINE on STN  
TI Determinants of syncytium formation in microglia by human immunodeficiency virus type 1: role of the V1/V2 domains.  
SO Journal of virology, (2000 Jan) 74 (2) 693-701.  
~~Journal code: 0113724. ISSN: 0022-538X.~~

L2 ANSWER 29 OF 42 MEDLINE on STN  
TI Development of bivalent (B/E) vaccines able to neutralize CCR5-dependent viruses from the United States and Thailand.  
SO Virology, (1999 Dec 5) 265 (1) 1-9.  
Journal code: 0110674. ISSN: 0042-6822.

L2 ANSWER 30 OF 42 MEDLINE on STN  
TI CD40-Mediated induction of CD4 and CXCR4 on B lymphocytes correlates with restricted susceptibility to human immunodeficiency virus type 1 infection: potential role of B lymphocytes as a viral reservoir.  
SO Journal of virology, (1999 Oct) 73 (10) 7972-80.

Journal code: 0113724. ISSN: 0022-538X.

- L2 ANSWER 31 OF 42 MEDLINE on STN  
TI Role of the HIV type 1 glycoprotein 120 V3 loop in determining coreceptor usage.  
SO AIDS research and human retroviruses, (1999 May 20) 15 (8) 731-43.  
Journal code: 8709376. ISSN: 0889-2229.
- L2 ANSWER 32 OF 42 MEDLINE on STN  
TI Primary human immunodeficiency virus type 2 (HIV-2) isolates, like HIV-1 isolates, frequently use CCR5 but show promiscuity in coreceptor usage.  
SO Journal of virology, (1999 Mar) 73 (3) 2343-9.  
Journal code: 0113724. ISSN: 0022-538X.
- L2 ANSWER 33 OF 42 MEDLINE on STN  
TI Sequence specific cleavage of the HIV-1 coreceptor CCR5 gene by a hammer-head ribozyme and a DNA-enzyme: inhibition of the coreceptor function by DNA-enzyme.  
SO FEBS letters, (1998 Oct 2) 436 (2) 233-8.  
Journal code: 0155157. ISSN: 0014-5793.
- L2 ANSWER 34 OF 42 MEDLINE on STN  
TI Dual effect of interleukin 4 on HIV-1 expression: implications for viral phenotypic switch and disease progression.  
SO Proceedings of the National Academy of Sciences of the United States of America, (1998 Jul 21) 95 (15) 8886-91.  
Journal code: 7505876. ISSN: 0027-8424.
- L2 ANSWER 35 OF 42 MEDLINE on STN  
TI Small molecule inhibitor of HIV-1 cell fusion blocks chemokine receptor-mediated function.  
SO Journal of leukocyte biology, (1998 Jul) 64 (1) 6-13. Ref: 34  
Journal code: 8405628. ISSN: 0741-5400.
- L2 ANSWER 36 OF 42 MEDLINE on STN  
TI Rabbit cells expressing human CD4 and human CCR5 are highly permissive for human immunodeficiency virus type 1 infection.  
SO Journal of virology, (1998 Jul) 72 (7) 5728-34.  
Journal code: 0113724. ISSN: 0022-538X.
- L2 ANSWER 37 OF 42 MEDLINE on STN  
TI First report of a healthy Indian heterozygous for delta 32 mutant of HIV-1 co-receptor-CCR5 gene.  
SO Gene, (1998 Jan 30) 207 (2) 141-7.  
Journal code: 7706761. ISSN: 0378-1119.
- L2 ANSWER 38 OF 42 MEDLINE on STN  
TI Promiscuous use of CC and CXCR4 chemokine receptors in cell-to-cell fusion mediated by a human immunodeficiency virus type 2 envelope protein.  
SO Journal of virology, (1997 Nov) 71 (11) 8405-15.  
Journal code: 0113724. ISSN: 0022-538X.
- L2 ANSWER 39 OF 42 MEDLINE on STN  
TI Coreceptor usage of primary human immunodeficiency virus type 1 isolates varies according to biological phenotype.  
SO Journal of virology, (1997 Oct) 71 (10) 7478-87.  
Journal code: 0113724. ISSN: 0022-538X.
- L2 ANSWER 40 OF 42 MEDLINE on STN  
TI The CXCR4 chemokine stromal cell-derived factor 1 is not responsible for CD8+ T cell suppression of syncytia-inducing strains of HIV-1.  
SO Proceedings of the National Academy of Sciences of the United States of America, (1997 Sep 2) 94 (18) 9842-7.  
Journal code: 7505876. ISSN: 0027-8424.
- L2 ANSWER 41 OF 42 MEDLINE on STN  
TI Indicator cell lines for detection of primary strains of human and simian immunodeficiency viruses.  
SO Virology, (1997 Jun 23) 233 (1) 193-8.



Journal code: 0110674. ISSN: 0042-6822.

L2 ANSWER 42 OF 42 MEDLINE on STN  
TI The role of viral phenotype and CCR-5 gene defects in HIV-1 transmission  
and disease progression.  
SO Nature medicine, (1997 Mar) 3 (3) 338-40.  
Journal code: 9502015. ISSN: 1078-8956.